Section-A
Multiple Choice Questions (MCQ's)

Q-01: Choose the correct answer for each from the given option.

(i) The unit of force in S.I. unit is ________
(a) Kilogram (b) Newton (c) Metre (d) Second

(ii) Clockwise torqu4e is considered as ______ torque.
(a) Positive (b) Negative (c) Unit (d) Zero

(iii) The number of protons in the nucleus is called ________
(a) Mass number (b) Avorgadro number
(c) Atomic number (d) Nuclear number

(iv) The lightest particle in an atom is _________
(a) Neutron (b) Electron (c) Proton (d) Deuteron

(v) The speed of sound in air at normal temperature and pressure is ____ M/s.
(a) 336 (b) 672 (c) 712 (d) 785

(vi) The standard metre is made of ______ and is placed at the international bureau of weight and measure in sevres near paris.
(a) Platinium and copper (b) Iron and copper
(c) Iron and iridium (d) Platinum and iridium

(vii) Energy possessed by a bodydue to its position is called ______
(a) Potential energy (b) Mechanical energy
(c) Kinetic energy (d) None of these

(viii) If the effort on the lever is between the fulcurum and weight, the class of lever is called _____
(a) First (b) Second (c) Third (d) None

(ix) In case of satellites the necessary acceleration is provided by ______
(a) Frictional force (b) Gravitational force
(c) Coulombs force (d) None of these

(x) The eye and the camera are similar because the image formed in both is____
(a) Real and inverted (b) Real and erect
(c) Virtual and inverted (d) Virtual and erect

(xi) The speed of light is ______ m/s.
(a) $3x10^6$ (b) $3x10^8$ (c) $1.86x10^6$ (d) $3x10^{10}$

(xii) Elasticity of a substance depends on its.
(a) Temperature (b) Size (c) Nature (d) None

(xiii) All the ray's parallel to the principal axis, falling on the concave mirror, pass after reflection through its ______.
(a) Pole (b) Principal focus
(c) Centre of curvature (d) None of these

(xiv) In the force acting on a body is doubled, then the accelerationproduced is _____
(a) Quarter (b) Half (c) Same (d) Double

(xv) Dr. Abdul Salam was awarded Noble Prize for his work on _______
(a) Electronics (b) Radiation
(c) Gravitation (d) Grand unification theory

(xvi) The reason for bursting water pipes during very cold weather is that:
(a) Water pipe contract when cooled (b) Water expands on freezing
(c) Ice expands on melting (d) None of these

(xvii) The galvanometer can be converted into an ammeter by connecting a wire of law resistance.
(a) In series (b) In parallel (c) With 220 volts
(d) In combined way